



PUBLIC NOTICE

Federal Communications Commission
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DA 15-844
July 24, 2015

WIRELESS TELECOMMUNICATIONS BUREAU AND PUBLIC SAFETY AND HOMELAND SECURITY BUREAU SEEK COMMENT ON LAND MOBILE COMMUNICATIONS COUNCIL'S PROPOSED 800 MHZ INTERSTITIAL CHANNEL INTERFERENCE CONTOURS

WP Docket No. 15-32 and RM-11572

COMMENT DATE: 30 days after publication in the Federal Register.

On May 26, 2015, the Land Mobile Communications Council (LMCC) filed its reply comments in the pending rule making proceeding, Creation of Interstitial 12.5 kHz Channels in the 800 MHz Band between 809-817/854-862 MHz, WP Docket No. 15-32. Therein, LMCC advanced proposed interference contours to apply when stations of various modulation types are operated on interstitial channels (12.5 kHz spacing) adjacent to “standard” (25 kHz spacing) stations operating with various modulation types. Charts describing the LMCC proposal are attached to this *Public Notice*.

LMCC first proposed interference contours for interstitial channels in response to the petition filed by the Enterprise Wireless Alliance (EWA) in 2010.¹ In its comments after the notice of proposed rulemaking had been issued LMCC observed that there had been “an impressive expansion in PLMR equipment choices over the past five years” rendering its 2010 interference criteria “inadequate.”² Accordingly, LMCC undertook to provide revised and updated interference criteria “as soon as possible, in any event no later than at the Reply Comment stage of this proceeding.” Because we believe that the record in this proceeding would benefit from parties’ views on LMCC’s latest proposal, we seek comment on the revised and updated criteria.

This proceeding is a “permit-but-disclose” proceeding in accordance with the Commission’s *ex parte* rules.³ Persons making *ex parte* presentations must file a copy of any written presentation or a memorandum summarizing any oral presentation within two business days after the presentation (unless a different deadline applicable to the Sunshine period applies). Persons making oral *ex parte* presentations are reminded that memoranda summarizing the presentation must (1) list all persons attending or otherwise participating in the meeting at which the *ex parte* presentation was made, and (2) summarize all data presented and arguments made during the presentation. If the presentation consisted in whole or in part of the presentation of data or arguments already reflected in the presenter’s written comments, memoranda or other filings in the proceeding, the presenter may provide citations to such data or arguments in his or her prior

¹ Petition for Rulemaking of the Enterprise Wireless Alliance, RM-11572, filed April 29, 2009 (EWA Petition).

² Comments of the Land Mobile Communications Council, filed May 11, 2015.

³ 47 C.F.R. §§ 1.1200 *et seq.*

comments, memoranda, or other filings (specifying the relevant page and/or paragraph numbers where such data or arguments can be found) in lieu of summarizing them in the memorandum. Documents shown or given to Commission staff during *ex parte* meetings are deemed to be written *ex parte* presentations and must be filed consistent with Section 1.1206(b).⁴ In proceedings governed by Section 1.49(f)⁵ or for which the Commission has made available a method of electronic filing, written *ex parte* presentations and memoranda summarizing oral *ex parte* presentations, and all attachments thereto, must be filed through the electronic comment filing system available for that proceeding, and must be filed in their native format (*e.g.*, .doc, .xml, .ppt, searchable .pdf). Participants in this proceeding should familiarize themselves with the Commission's *ex parte* rules.

Pursuant to sections 1.415 and 1.419 of the Commission's rules, 47 CFR §§ 1.415, 1.419, interested parties may file comments on or before the date indicated on the first page of this document. Comments may be filed using the Commission's Electronic Comment Filing System (ECFS). See *Electronic Filing of Documents in Rulemaking Proceedings*, 63 FR 24121 (1998).

- Electronic Filers: Comments may be filed electronically using the Internet by accessing the ECFS: <http://fjallfoss.fcc.gov/ecfs2/>.
- Paper Filers: Parties who choose to file by paper must file an original and one copy of each filing. If more than one docket or rulemaking number appears in the caption of this proceeding, filers must submit two additional copies for each additional docket or rulemaking number.

Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by first-class or overnight U.S. Postal Service mail. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.

- All hand-delivered or messenger-delivered paper filings for the Commission's Secretary must be delivered to FCC Headquarters at 445 12th St., SW, Room TW-A325, Washington, DC 20554. The filing hours are 8:00 a.m. to 7:00 p.m. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes and boxes must be disposed of before entering the building.
- Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9300 East Hampton Drive, Capitol Heights, MD 20743.
- U.S. Postal Service first-class, Express, and Priority mail must be addressed to 445 12th Street, SW, Washington DC 20554.

People with Disabilities: To request materials in accessible formats for people with disabilities (braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer & Governmental Affairs Bureau at 202-418-0530 (voice), 202-418-0432 (tty).

For further information regarding this proceeding contact John A. Evanoff, Attorney-Advisor, Policy and Licensing Division, Public Safety and Homeland Security Bureau, (202) 418-0848 or john.evanoff@fcc.gov or Rodney P. Conway, Engineer, Wireless Telecommunications Bureau, (202) 418-2904 or rodney.conway@fcc.gov.

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LMCC Proposed Interference Contours

⁴ 47 C.F.R. § 1.1206(b).

⁵ 47 C.F.R. § 1.49(f).

Interstitial to 25 kHz Interference Contour			Interstitial Channel				
			Modulation				
			12.5 Analog	Any P25 (FDMA, LSM, TDMA)	DMR or NXDN 9.6	NXDN 4.8	2 x NXDN 4.8
25 kHz Channel			Transmission Emission				
			< 11K3F3E	8K10F1E/D 8K70D1W 9K80D7W	7K60FXE/D or 7K60F7E/D/W 8K30F1E/D	4K00F1E/D	11K0F7E/D/W
			Transmission filter	Transmission filter	Transmission filter	Transmission filter	Transmission filter
Modulation			Interstitial Derated Interference Contour [dBu(f(50,50))]				
Transmission Emission							
25 kHz Analog	16K0F3E or 20K0F3E	Rcvr	25	20	25	35	15
ASTRO Widepulse	10K0F1E/D	Rcvr	40	35	40	55	25
OpenSky	12K6F9W	Rcvr	40	35	40	55	30
EDACS	16K0F1E/D	Rcvr	70	65	65	NR	NR
IDEN & HPD	18K3D7W 17K7D7D	Rcvr	25	20	25	45	10
Possible 12.5 kHz Technologies on 25 kHz centers							
12.5 kHz Analog	< 11K3F3E	Rcvr	65	65	65	NR	70
P25 FDMA, LSM, TDMA, Simulcast	8K10F1E/D 8K7D1W 9K80D7W 9K80D1E/D	Rcvr	NR	75	75	NR	NR
DMR or NXDN 9.6	7K60FXE/D or 7K60F7E/D/W 8K30F1E/D	Rcvr	75	70	75	NR	NR
NXDN 4.8	4K00F1E/D	Rcvr	NR	NR	NR	NR	NR
2 x NXDN 4.8 (+/- 3.125 kHz)	11K0F7E/D/W	Rcvr	60	55	60	NR	NR
Possible 90.221 Technologies on 25 kHz centers							
TETRA	22K0D7E/D/W 22K0DXW 22K0G1W 21K0D1E/D/W	Rcvr	25	20	25	45	10
2 x P25 FDMA, LSM, TDMA (+/- 6.25 kHz)	21K7D7E/D/W	Rcvr	25	20	25	60	10
2 x DMR (+/- 6.25 kHz)	To Be Determined	Rcvr	20	15	20	45	10
2 x NXDN 9.6 (+/- 6.25 kHz)	To Be Determined	Rcvr					
3 x NXDN 4.8 (0, +/- 6.25 kHz)	To Be Determined	Rcvr					

NR = derating value > 75 dB, no analysis required

25 kHz to Interstitial Interference Contour			Interstitial Channel				
			Modulation				
			12.5 Analog	Any P25 (FDMA, LSM, TDMA)	DMR or NXDN 9.6	NXDN 4.8	2 x NXDN 4.8
			Transmitter Emission				
25 kHz Channel			< 11K3F3E	8K10F1E/D 8K70D1W 9K80D7W	7K60FXE/D or 7K60F7E/D/W 8K30F1E/D	4K00F1E/D	11K0F7E/D/W
			Receiver	Receiver	Receiver	Receiver	Receiver
			25 kHz Derated Interference Contour [dBu f(50,50)]				
Modulation	Transmitter Emission						
25 kHz Analog	18K0F3E or 20K0F3E	Xmtr	40	50	45	60	35
ASTRO Widepulse	10K0F1E/D	Xmtr	50	50	50	55	50
OpenSky	12K5F9W	Xmtr	40	50	45	50	35
EDACS	16K0F1E/D	Xmtr	35	40	40	45	35
IDEN or HPD	18K3D7W 17K7D7D	Xmtr	20	45	30	50	15
Possible 12.5 kHz Technologies on 25 kHz centers							
12.5 kHz Analog	< 11K3F3E	Xmtr	65	NR	75	NR	60
P25 FDMA, LSM, TDMA, Simulcast	8K10F1E/D 8K7D1W 9K80D7W 9K80D1E/D	Xmtr	65	75	70	NR	55
DMR or NXDN 9.6	7K60FXE/D or 7K60F7E/D/W 8K30F1E/D	Xmtr	65	75	75	NR	60
NXDN 4.8	4K00F1E/D	Xmtr	NR	NR	NR	NR	NR
2 x NXDN 4.8 (+/- 3.125 kHz)	11K0F7E/D/W	Xmtr	70	NR	NR	NR	NR
Possible 90.221 Technologies on 25 kHz centers							
TETRA	22K0D7E/D/W 22K0DXW 22K0G1W 21K0D1E/D/W	Xmtr	20	25	20	30	15
2 x P25 FDMA, LSM, TDMA (+/- 6.25 kHz)	21K7D7E/D/W	Xmtr	15	20	15	25	10
2 x DMR (+/- 6.25 kHz)	To Be Determined	Xmtr	20	25	20	35	15
2 x NXDN 9.6 (+/- 6.25 kHz)	To Be Determined	Xmtr					
3 x NXDN 4.8 (0, +/- 6.25 kHz)	To Be Determined	Xmtr					

NR = derating value > 75 dB, no analysis required